Report of Required Professional Education in Physical Agent Modalities (PAMs)

Unless you are currently licensed in New Hampshire as a physical therapist or physical therapist assistant or are currently New Hampshire certified as a hand therapist, you are required to take professional education in PAMs to become eligible for a certificate authorizing you to use physical agent modalities.

Occupational therapists and occupational therapy assistants are required to take at least 6 hours of professional education in the use of ultrasound modalities and at least 15 hours of professional education in the use of electrical stimulation modalities. **Please see Occ 305 for further details.**

Report the source of your PAMs education, whether a course, an on-line course, a workshop or individualized instruction, on the line provided for each of the topics listed below. ***PLEASE PRINT LEGIBILY***

For ultrasound modalities, including phonophoresis:

a. Proper use of ultrasound equipment, including:

1. The use of treatment controls _____
2. Soundhead selection _____
3. Frequency _____
4. Application method _____
5. Equipment maintenance as it relates to overall client safety _____

b. Knowledge of the clinical use, optimal parameters, precautions and contraindications to determine, prior to administration, the appropriateness of ultrasound for a client

_____

c. Knowledge of the physiological effect of ultrasound, including the therapeutic benefits as well as the tissue response for both thermal and non-thermal delivery

_____

d. Understanding of the optimal parameters for maximum therapeutic benefit in regards to:

1. Tissue depth _____
2. Tissue type _____
3. Intensity _____
4. Size of the area to be sonated _____
5. The mode of ultrasound delivery, including but not limited to pulse, continuous and medication

_____

e. The appropriate selection and storage of topical drugs used in the ultrasound treatment

_____

f. The proper positioning of the client for maximum safety and therapeutic effectiveness

_____

For each of the following electrical stimulation modalities: neuromuscular electrical stimulation (NMES), transcutaneous electrical nerve stimulation (TENS), iontophoresis and high voltage galvanic stimulation (HVGS)

a. Electrotherapeutic terminology and biophysical principles, including current, voltage and amplitude

_____

b. The normal electrophysiology of nerve and muscle _____

c. The types of current, direct, pulsed and alternating, used for electrical stimulation

_____

Upon completion of both sides of this report, please sign and date on the reverse side.

d. The duration and type of current appropriate for the client's neurological status

e. The following common denominators of electrical currents:

1. Normal and abnormal human responses to direct and alternating current

2. Current flow effect on tissue, including thermal, chemical and kinetic changes

3. Waveforms, including:

(i) The true direct current of iontophoresis

(ii) Pulsed currents, including monophasic, biphasic and polyphasic

4. The characteristics of phase, including:

(i) Duration

(ii) Intensity

(iii) Charge

(iv) Frequency or rate

5. The modulation of the characteristics listed in e. 4. Above

6. The physiological correlates of the phase characteristics listed in e. 4. above

f. The indications, contraindications, warnings and precautions of electrotherapy, including considerations regarding pathology of nerve and muscle tissue

g. The rationale and clinical indications of electrotherapy necessary for the safe and appropriate integration in the delivery of occupational therapy

h. The appropriate selection and storage of topical drugs used in electrical stimulation treatments

i. The proper positioning of, and adequate instructions to, the client during application of the modality

j. Appropriate education of the client as to the benefits and risks of the electrotherapeutic treatment

k. Knowledge of the safe and appropriate operation of the electrical stimulation device and the optimal parameters, including:

1. The intensity

2. The frequency or rate

3. The type of current

4. The duration of treatment

l. The optimal electrode placement, including motor points and physiological effects desired

signed profession NH License # date